

FORM PTO-1449
INFORMATION DISCLOSURE STATEMENT

MMB DOCKET NO. 1007-0584
Emerson Docket No. MAL-03-011

APPLICATION NO. 10/730,296

APPLICANT(S): Smock et al.

FILING DATE: December 8, 2003

GROUP ART UNIT: To be assigned



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>cr</i>	AA	3,438,666	04/15/1969	Erickson			
	AB	3,569,670	03/09/1971	Christian			
	AC	3,646,612	02/29/1972	Anderson			
	AD	3,750,643	08/07/1973	Fowler et al.			
	AE	3,831,580	08/27/1974	McLean			
	AF	3,859,979	01/14/1975	Gilliom			
	AG	4,082,077	04/04/1978	Marfatia et al.			
	AH	4,082,078	04/04/1978	Thulcen et al.			
	AI	4,109,637	08/29/1978	Drouin			
	AJ	4,127,101	11/28/1978	Tilton			
<i>cr</i>	AK	4,136,667	01/30/1979	Lewis			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AQ	1	
	AR	1	
	AS	1	

EXAMINER

Crack G.

DATE CONSIDERED

12-5-04

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>EW</i>	BA	4,163,443	08/07/1979	Peterson			
	BB	4,201,901	05/06/1980	Schuchert			
	BC	4,374,320	02/15/1983	Barnett			
	BD	4,593,945	06/10/1986	Arute et al.			
	BE	4,838,586	06/13/1989	Henne			
	BF	4,861,078	08/29/1989	Munoz			
	BG	4,927,996	05/22/1990	Genbauffe et al.			
	BH	4,982,063	01/01/1991	Tsunekawa et al.			
	BI	5,004,276	04/02/1991	Hanley			
	BJ	5,220,153	06/15/1993	Malone et al.			
<i>EW</i>	BK	5,419,305	05/30/1995	Hanley			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	BL						Yes No
	BM						Yes No
	BN						Yes No
	BO						Yes No
	BP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	BQ	<u>2</u>	
	BR	<u>2</u>	
	BS	<u>2</u>	

EXAMINER <i>Carl Ly.</i>	DATE CONSIDERED <i>12-5-04</i>
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<i>er</i>	CA	5,493,099	02/20/1996	McWilliams, III	/	/	
<i>f</i>	CB	6,079,756	06/27/2000	Phillips			
<i>f</i>	CC	6,302,098	10/16/2001	Smith			
<i>a</i>	CD	6,315,336	11/13/2001	Swartzell			
	CE						
	CF						
	CG						
	CH						
	CI						
	CJ						
	CK						

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	BL						Yes No
	BM						Yes No
	BN						Yes No
	BO						Yes No
	BP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
	BQ	<u>3</u>					
	BR	<u>3</u>					
	BS	<u>3</u>					

EXAMINER <i>Carl Lys</i>	DATE CONSIDERED <i>12-5-04</i>
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